

1 **(BSP June 11, 2003)**

2 **Longitudinal Seismic Restrainers**

3 The Contractor shall submit shop drawings of the steel components of the  
4 longitudinal seismic restrainer assemblies to the Engineer for approval in  
5 accordance with Section 6-03.3(7).  
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7 The Contractor shall core drill holes through the pier diaphragm for the high-  
8 strength steel bar as shown in the Plans. The Contractor shall set the PVC pipe in  
9 place with epoxy bonding agent as shown in the Plans.  
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11 Holes for the resin bonded anchors for the longitudinal seismic restrainer  
12 anchorages shall be located and drilled in accordance with Section 6-02.3(18) as  
13 supplemented in these Special Provisions, and as follows:  
14

- 15 1. The bottom layer of steel reinforcing bars in the slab in the vicinity of the  
16 longitudinal seismic restrainer anchorage as shown in the Plans shall be  
17 located and marked on the concrete surface.  
18
- 19 2. Using the anchorage assembly as a template, the Contractor shall align  
20 and slightly shift the anchorage assembly as required so that the holes  
21 avoid the existing steel reinforcing bars as much as possible.  
22
- 23 3. The Contractor shall drill holes for the resin bonded anchors with the  
24 anchorage assembly in position as a template.  
25
- 26 4. If, after shifting the anchorage assembly, conflicts still exist between hole  
27 locations and existing steel reinforcing bars, the Contractor may, with the  
28 Engineer's approval, core drill holes at the conflict locations.  
29

30 Just prior to final installation of the longitudinal seismic restrainer anchorage  
31 assembly, the surface of the concrete in contact with the anchorage assembly shall  
32 be coated with epoxy bonding agent.  
33

34 All longitudinal seismic restrainers at a pier shall be installed so that the free end  
35 (the end with the gap as shown in the Plans) shall be on the same side of the pier.